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*DB=JPAB,EPAB,DWPI; PLUR=NO; OP=OR*

<u>L26</u>	L25 and l8	0	<u>L26</u>
<u>L25</u>	L24 not (l9 or l12 or l13 or l21)	182	<u>L25</u>
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<u>L23</u>	l19 not (l9 or l12 or l13 or l21)	213	<u>L23</u>
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<u>L20</u>	L19 and (peel\$4 or strength or adhesiv\$4 or n/cm)	36	<u>L20</u>
<u>L19</u>	L18 and (cover\$4 or closure or closing or sael\$4)	296	<u>L19</u>
<u>L18</u>	L17 and (l7 or l8)	913	<u>L18</u>
<u>L17</u>	l1 and (l2 or l11) and l4	3657	<u>L17</u>
<u>L16</u>	l11 and l1 and l4 and l5 and l14	4	<u>L16</u>
<u>L15</u>	L3 and l4 and l8 and l14	3	<u>L15</u>
<u>L14</u>	electronic	546309	<u>L14</u>
<u>L13</u>	L12 not l9	35	<u>L13</u>
<u>L12</u>	L11 and l1 and l4 and l5 and l7	128	<u>L12</u>
<u>L11</u>	vent or vents or vented or venting or (pressure or steam) near5 l10	112177	<u>L11</u>
<u>L10</u>	releas\$4 or escap\$4	640095	<u>L10</u>
<u>L9</u>	L3 and l4 and l8 and l7	119	<u>L9</u>
<u>L8</u>	L5 or meal\$2 or dinner\$2	240879	<u>L8</u>
<u>L7</u>	cook\$4 or heat\$4 or microwave\$2 or (micro adj1 wave\$2) or electromagnet\$5 or (electro adj1 magnetic\$5) or radar or sterili\$5 or pasteur\$5	2580575	<u>L7</u>
<u>L6</u>	cook\$4 or heat\$4 or microwave\$2 or(micro adj1 wave\$2) or electromagnet\$5 or (electro adj1 magnetic\$5) or radar or sterili\$5 or pasteur%5	2575979	<u>L6</u>
<u>L5</u>	food\$5	232411	<u>L5</u>
<u>L4</u>	hole or perforation or perforated or perforating	902349	<u>L4</u>
<u>L3</u>	L2 and l1	24113	<u>L3</u>
<u>L2</u>	vent or vents or vented or venting or (pressure or steam) near5 (reduc\$4 or decreas\$4 or relief or reliev\$4 or eliminat\$4 or remov\$4 or lessen)	267717	<u>L2</u>

*DB=DWPI,EPAB,JPAB; PLUR=NO; OP=OR*

<u>L1</u>	packag\$4 or container\$2 or tray or trays or receptacle\$2 or bag or bags or pouch\$2 or packet or packets	1038189	<u>L1</u>
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L9: Entry 18 of 119

File: JPAB

Jul 16, 1996

PUB-NO: JP408183570A  
DOCUMENT-IDENTIFIER: JP 08183570 A  
TITLE: FOOD CONTAINER

PUBN-DATE: July 16, 1996

## INVENTOR-INFORMATION:

NAME

COUNTRY

IWATA, RISO

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

ZEON KASEI CO LTD

APPL-NO: JP06328712

APPL-DATE: December 28, 1994

INT-CL (IPC): B65 D 81/34; B65 D 81/26

## ABSTRACT:

PURPOSE: To provide a food container which requires no special preprocessing of the food container when food in the container is heated together with it by means of a microwave oven or the like, enables the food in it to be heated or steamed conveniently, and is free of deformation and damage due to internal pressure.

CONSTITUTION: In a food container 2 in which food is stored, a pressure removal hole 8 for allowing inside and outside to communicate with each other is made in part of the cover 6 of the container 2, and is closed, from the outside of the container, with adhesive tape 10 which is adhesive when the temperature of the pressure removal hole 8 is 80-100°C, and becomes less adhesive when the temperature exceeds it. It is unnecessary that the entire adhesive layer of the adhesive tape 10 be comprised of a heat-separable adhesive, but part of the adhesive layer may be comprised of a heat-nonseparable adhesive.

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L13: Entry 5 of 35

File: JPAB

Jan 25, 2000

PUB-NO: JP02000025849A  
DOCUMENT-IDENTIFIER: JP 2000025849 A  
TITLE: PACKAGING BODY FOR COOKING WITH MICROWAVE OVEN

PUBN-DATE: January 25, 2000

## INVENTOR-INFORMATION:

NAME

COUNTRY

TANNO, KOUTAN

TOMOMATSU, AKIO

NAKAI, SHINICHIRO

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

RENGO CO LTD

APPL-NO: JP10193143

APPL-DATE: July 8, 1998

INT-CL (IPC): B65 D 81/34

## ABSTRACT:

PROBLEM TO BE SOLVED: To provide a packaging body for microwave oven which controls a internal-pressure-releasing temperature easily and is also desirable in food sanitation.

SOLUTION: A lid 3 is firmly fixed to the flange 2 of a container main body 1, a through-hole 4 is made in the lid 3, and an internal-pressure release flap 10 is bonded so as to close the through-hole 4. In the flap 10, a strong bonding layer 13 is provided at one side of the face of a film having restoring elasticity which is opposite to the lid, a low-melting adhesive layer 12 is provided in other area of the face, and a blank part 14 having no low-melting adhesive layer is provided in an area of it which corresponds to the through-hole 4. The strong bonding layer 13 has such a bonding strength that the flap 10 is not peeled heating with a microwave oven, and the low-melting adhesive layer 12 is softened by heating with the microwave oven and, therefore, releases internal pressure from the through-hole 4.

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L9: Entry 7 of 119

File: JPAB

Oct 20, 1998

PUB-NO: JP410278975A  
DOCUMENT-IDENTIFIER: JP 10278975 A  
TITLE: FROZON-FOOD STORAGE CONTAINER

PUBN-DATE: October 20, 1998

## INVENTOR-INFORMATION:

NAME

COUNTRY

KOMAGATA, TORAKICHI

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

KK KOMAGATA

APPL-NO: JP09089636

APPL-DATE: April 8, 1997

INT-CL (IPC): B65 D 81/34

## ABSTRACT:

PROBLEM TO BE SOLVED: To prevent rupture of a container in advance by providing a part to be peeled off by the thermal contraction during the heating on at least one part of seal part to release the steam filled inside to the outer side without opening a hole before putting a packaged frozen food in a microwave oven.

SOLUTION: A flange C1' is formed in a peripheral part of an opening of a cup-shaped container C1, a packaged frozen food is stored, and a sealed part is formed by a top seal film T1 made of plastic. A small hole H1 of the dimension suitable for a vent is formed at least in one part of the top seal film T1, and a label L1 made of the material which is larger in shrinkage by heat compared with the top seal film T1, e.g. PET or PVC, is attached with the adhesive so as to cover the small hole 1. When the water content in the packaged frozen food is evaporated when heated in a microwave oven, and the internal pressure is increased and the temperature rises, the label L1 is automatically peeled, and the steam inside is discharged outside.

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L9: Entry 58 of 119

File: DWPI

Mar 2, 1999

DERWENT-ACC-NO: 1999-225407  
DERWENT-WEEK: 199920  
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TITLE: Foodstuff packing bag - has seal piece which gets stucked on through-hole, is bonded to bag body such that it gets separated by increase in internal pressure

## PATENT-ASSIGNEE:

ASSIGNEE

NK KOGYO KK .

CODE

NKKON

PRIORITY-DATA: 1997JP-0243353 (August 25, 1997)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 11059748 A	March 2, 1999		004	B65D081/34

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP11059748A	August 25, 1997	1997JP-0243353	

INT-CL (IPC): B65 D 33/01; B65 D 81/34

ABSTRACTED-PUB-NO: JP11059748A  
BASIC-ABSTRACT:

NOVELTY - Foodstuff packing bag (1) consists of heat resistant film, has seal piece (3) stucked to a through-hole (4). The through-hole is provided penetrating the bag body from exterior to interior. The seal piece is bonded such that it gets separated from bag body, by increase in bag internal pressure.

USE - Is used for accommodating food contents that can be cooked in a microwave oven, even after filling in bag.

ADVANTAGE - The need of removing the foodstuffs from the bag for heating is eliminated. Releasing of seal piece by the pressure reduces the internal pressure of bag and thus prevents the rupture of bag by the internal vapor. DESCRIPTION OF DRAWING(S) - The figure shows the exterior perspective view of foodstuff packing bag. (1) Foodstuff packing bag; (3) Seal piece; (4) Through-hole.

CHOSEN-DRAWING: Dwg.1/4

TITLE-TERMS: FOOD PACK BAG SEAL PIECE THROUGH HOLE BOND BAG BODY SEPARATE INCREASE  
INTERNAL PRESSURE

DERWENT-CLASS: Q32 Q34 X27

EPI-CODES: X27-C01;

## SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1999-167781

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L13: Entry 9 of 35

File: JPAB

Nov 29, 1994

PUB-NO: JP406329179A

DOCUMENT-IDENTIFIER: JP 06329179 A

TITLE: PRESSURE-REGULATING VALVE, AUTOMATIC COOKING PACKAGE HAVING THE VALVE, AND FOOD  
OR BEVERAGE PACKED THEREIN

PUBN-DATE: November 29, 1994

## INVENTOR-INFORMATION:

NAME

COUNTRY

OYAMA, YOSHIO

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

OYAMA YOSHIO

OYAMA FUSAKO

MURAKAMI YASUNORI

APPL-NO: JP05141217

APPL-DATE: May 21, 1993

INT-CL (IPC): B65D 81/34

## ABSTRACT:

PURPOSE: To enable cooking food or preparing a beverage by means of a microwave oven or the like without further touching for the cooking or preparation after buying at retail by a method wherein a rise of the pressure inside a flexible container above a certain level causes a pressure-regulating valve in the form of a sheet to open.

CONSTITUTION: An automatic cooking package 10 consists of a flexible container 11 and a pressure-regulating valve in the form of a sheet 24. The flexible container 11 has fusion adhesion along its periphery and a hole 22 in its top sheet 18 to which the pressure-regulating valve 24 is attached by adhesion in a manner of closing the hole 22. The hole 22 is circular and the pressure-regulating valve 24 consists of a circular flexible sheet 26 which is coated with an adhesive 28 on one side and in the center has a part 30 not coated with the adhesive. When such a package 10 having the contents 12 is heated in a microwave oven or the like, an increasing pressure acts on the pressure-regulating valve 24 through the hole 22 and a rise of the pressure above a certain level causes the pressure-regulating valve 24 to release. Part of it, however, remains adhering to the container 11 and, when the pressure falls below the specified point, the pressure-regulating valve 24 resumes the adhesion as before.

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L13: Entry 6 of 35

File: JPAB

Mar 16, 1999

PUB-NO: JP411070977A  
DOCUMENT-IDENTIFIER: JP 11070977 A  
TITLE: FOOD PACKAGE HEATED IN MICROWAVE OVEN

PUBN-DATE: March 16, 1999

## INVENTOR-INFORMATION:

NAME

COUNTRY

OZAWA, SHIGEMI

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

OZAWA INTERNATL KK  
KK WATER FIELD JAPAN

APPL-NO: JP09234248

APPL-DATE: August 29, 1997

INT-CL (IPC): B65 D 81/34; B65 D 81/26

## ABSTRACT:

PROBLEM TO BE SOLVED: To allow food to be cooked in an optimum state by raising an internal temperature with steam stored to some degree and then by peeling a part of a valve sheet to escape the steam inside and further to prevent the food from being in contact with an adhesive for hygiene.

SOLUTION: The food package which can be heated in a microwave oven wherein a hole 11 is formed on a food storage bag for receiving food, the hole is sealed by a separator 2 via an adhesive, and the bag is heated in the microwave oven, whereby the separator 2 is peeled to escape the inside steam comprises the separator applied with the adhesive on the part except an approximately triangular non-adhesive part 21 including the hole stuck to the package.

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L9: Entry 5 of 119

File: JPAB

Nov 16, 1999

PUB-NO: JP411314683A

DOCUMENT-IDENTIFIER: JP 11314683 A

TITLE: FOOD CONTAINER FOR MICROWAVE OVEN, AND FOOD THEREIN

PUBN-DATE: November 16, 1999

## INVENTOR-INFORMATION:

NAME

COUNTRY

HORI, RINZO

IKEDA, TAKAO

AKASAKI, JUNICHIRO

MIYAZAKI, KAZUO

IMAEDA, TAKAYOSHI

HAYASHI, EIJI

KAWAI, TAKEO

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

MAAMAKKU:KK

APPL-NO: JP10122536

APPL-DATE: May 1, 1998

INT-CL (IPC): B65 D 81/34; A47 J 27/00

## ABSTRACT:

PROBLEM TO BE SOLVED: To provide a food container for microwave oven in which the heating is achieved in a condition as is in a distribution process without providing any vent hole in the food container in achieving the heating using a microwave oven, and the food can be in an appropriately heated condition.

SOLUTION: In a food container, a small hole 16 is provided either or each of a container body 12 or a lid part 14, and the small hole 16 is covered by a seal member 18 permeable for air but not for liquid. The heating can be achieved by the microwave oven without any action to make an air vent while the lid part is attached. When the small hole 16 is provided in a bottom part 12a, the heating with the container upside down becomes possible when the heating is achieved by the microwave oven, and more appropriate heating by the microwave oven becomes possible.

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